

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US04/40120

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : C07H 21/02, 21/04; C12P 19/34, 21/00; C12N 15/09, 15/82, 15/85, 15/00; C12Q 1/70, 1/68

US CL : 536/23.1, 23.72; 435440, 441, 442455, 91.1, 91.4, 91.4291.51, 69.1, 69.270.1, 455, 5, 6, 94

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 536/23.1, 23.72; 435440, 441, 442455, 91.1, 91.4, 91.4291.51, 69.1, 69.270.1, 455, 5, 6, 94

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
Please See Continuation Sheet

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X,P	US6,689,559B2 (WIMMER et al) 10 February 2004 (10.02.2004), Fig. 2-4, Claims 1-12, columns 11-13).	1-36
X	US 20020098202A1 (WIMMER et al) 24 October 2002 (24.10.2002), see Fig. 1-4, claims 1-52)	1-36
A	IKEDA, M. et al. Selection Subgenomic and Genome-Length Dicistronic RNAs Derived from an Infectious Molecular Clone of the HCV-N Strain of hepatitis C virus Replicate Efficiently in Cultured Huh7 Cells. J. Virol. March 2002, Vol. 76, No. 6, pages 2997-3006.	
A	LOHMANN, V. et al. Mutations in Hepatitis C Virus RNAs conferring Cell Culture Adaptation. J. Virol. February 2001, Vol. 75, No. 3, pages 1437-1449.	
X	BUKH, J. et al. Mutations that permit efficient replication of hepatitis C virus RNA in Huh-7 cells prevent productive replication in chimpanzees, PNAS, October 2002, Vol. 99, No. 22, pages 14416-14421, see page 14416, 2nd column, last paragraph and 1st column, 2nd paragraph.	1-22, 7, 9-10, 14-17,
A	KRIEGER, N. et al. Enhancement of Hepatitis C Virus RNA Replication by Cell Culture-Adaptive Mutations. J. Virol. May 2001, Vol. 75, No. 10, pages 4614-4624.	

☐ Further documents are listed in the continuation of Box C.

☐ See patent family annex.

Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

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"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"Z" document member of the same patent family

Date of the actual completion of the international search

17 August 2005 (17.08.2005)

Date of mailing of the international search report

21 SEP 2005

Name and mailing address of the ISA/US

Mall Stop PCT, Attn: ISA/US
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

Facsimile No. (703) 305-3230

Authorized officer

Bao Qun Li

Telephone No. (571) 272-1600

INTERNATIONAL SEARCH REPORT

International application No.
PCT/US04/40120

Continuation of B. FIELDS SEARCHED Item 3:
WEST, MEDLINE, CAPLUS
Search terms: HCV replicon, in vitro, synthesis, construct, expression system